Module Code & Module Title

Second Year Project

SYP Proposal

Donating website (Something to Donate)

Year and Semester

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1. Introduction

1.1 Project Description

The Donating Things (Something to donate) Platform is an online system designed to connect individuals and organizations willing to donate items with those in need. It serves as a bridge, facilitating the easy exchange of goods, reducing waste, and promoting community support.

1.2 Project Use Case

Charitable organizations, community groups, or individuals can utilize the Donating Things project to assist in the redistribution of surplus goods. It is particularly beneficial in regions with high resource demand, facilitating connections between donors and recipients to minimize waste and support sustainability.

1.3 Problem it Aims to Solve

The Donating Things project aims to build a platform that promotes social responsibility and community support by redistributing goods that might otherwise go to waste. It helps reduce resource wastage, fosters sustainability, and encourages acts of kindness. By leveraging technology, it provides a secure and efficient system for donors and recipients, ultimately helping those in need while reducing environmental impact.

2. Project users

• Donors: Individuals or organizations that have items they wish to donate. They can submit their items through the platform, providing details like item condition, category, and contact information.

- Recipients: People or organizations that need donated items. They can browse available donations, request items, and possibly provide feedback about their experiences.

- Administrators: Users responsible for managing the platform. They handle user accounts, oversee donation listings, ensure compliance with policies, and address any issues that arise.

- Reviewers: Users who evaluate the quality and appropriateness of items submitted for donation. They help maintain the integrity of the platform by ensuring that only suitable items are listed.

3. Features

- User Registration: The platform accommodates various user types, including donors, recipients, administrators, and volunteers, allowing each group to create personalized accounts and profiles.

- Item Listing: Donors can list items they wish to donate, providing details such as description, condition, category (e.g., clothing, households, books, etc.

- Search and Filter Options: Recipients can browse available donations using search and filter options.

- Feedback Mechanism: Users can leave feedback and ratings for each transaction, helping to build trust within the community.

OPTIONAL

- Request System: Recipients can request items they are interested in, enabling direct communication with donors to arrange pick-up or delivery.
- Resource Awareness: The platform can provide educational resources about the importance of donation, waste reduction, and community support.

4. Technological Stack

- Frontend: HTML, JavaScript (React)
- Design: CSS/tailwind
- Backend: Node.js with Express.js
- Database: PostgreSQL

5. Conclusion

The Donating Things initiative encourages social accountability by linking those who donate with those in need to redistribute unused items. It diminishes trash, eases financial hardship, and advances durability with a user-friendly system, ultimately reinforcing connections within communities and fostering compassion through technology.